

TotalBoat Halcyon & Halcyon Clear Gloss & Satin Varnish – Tech Data Sheet

SUPPORT PRODUCTS:

Thinner: Water
Cleanup: Soap and water
Filter/Strainer: Fine paint strainer

SURFACE PREPARATION:

New Wood:

- * The surface must be dry. Remove all surface contaminants such as dust, oil, and grease by wiping the surface with a lint-free cheesecloth or cotton rag dampened with denatured alcohol.
- * Sand the wood, with the grain, down to 220-320 grit sandpaper. Wipe clean with denatured alcohol and allow to dry completely. Halcyon will not cure properly if there are any solvents present when it is applied.
- * Apply the first coat of TotalBoat Halcyon.

Previously Varnished Wood:

- * Remove all previous varnish layers in poor condition.
- * Sand the wood smooth down to 320-grit sandpaper. Wipe the wood clean with denatured alcohol and allow to dry completely.
- * Apply the first coat of Halcyon.

MIXING / REDUCTION:

- 1 Massaging and gently agitating the Pour Pak™ before pouring is the most effective way to mix TotalBoat Halcyon. **Halcyon Clear Gloss and Halcyon Amber Gloss:** These do not require a lot of heavy shaking or stirring to be ready for use. **Halcyon Clear Satin:** Massage and shake the bag prior to dispensing.
- 2 Halcyon does not require thinning, even for the first coat. However, Halcyon may be thinned with fresh, clean water, up to 20% (maximum), to help create a desired flow. Do not use any other liquids or solvents to thin Halcyon.

APPLICATION:

- 1 Apply smooth, even coats (4-6 mils wet) of full-bodied material. If applied too thinly, the finish will not look glossy and rich. If applied too thickly, the varnish may sag or run. It is okay if the Halcyon has a milky look as it is applied, the milky appearance will disappear as it cures. Depending on temperature and environmental conditions, you have only 45-90 seconds to maintain a workable edge, so it is recommended that you work diligently. Halcyon will not skin over in the cup while you're varnishing.
- 2 Recoat after 1 hour at 72°F, or when the surface is tack free, and firm. If there was any milkiness from the Halcyon when it was wet, it should be perfectly clear for recoating. Halcyon can be overcoated without sanding for up to 12 hours under normal conditions. After 12 hours, Halcyon must be sanded lightly with 320-grit sandpaper, or it will not flow properly over the previous coat.
- 3 For best results, use 320-400 grit sandpaper before the final coat to remove any dust or inconsistencies in the varnish. CAUTION: After sanding, only use fresh, clean water as a solvent wipe for the first 48 hours after applying Halcyon. After 48 hours, denatured alcohol can be used as a solvent wipe.
- 4 For new wood, build a minimum of 2-4 coats for interior gloss applications, and 4-6 coats as a minimum for exterior applications. The satin finish should have a minimum of 3-4 coats for interior applications, and 4-6 for exterior applications, where the build coats should all be gloss finish, and the final coat is satin. More coats will improve gloss finish and depth of the grain.

NOTES: Halcyon will cure when the product, substrate (application surface), and outside/ambient temperatures are between 50 and 90°F. If possible, avoid applying or curing the material in direct sunlight. Do not apply varnish to surfaces warmer than 90°F or colder than 50°F.

RECOMMENDED MAINTENANCE: Once cured, Halcyon can be cleaned regularly with mild soap and water. For any scratches or damage that may occur, tape off around the area and sand lightly with 320-grit sandpaper until the damaged varnish has been sanded away. Remove any sanding residue. Apply 2-3 new coats of Halcyon to the area. Remove the tape and sand the general area with 320-grit sandpaper until it is a consistent height. Apply one coat of Halcyon over the area to cover the repair.
YEARLY MAINTENANCE: TotalBoat Halcyon will maintain the best finish with just 1-2 maintenance coats each year. Start by cleaning the old varnish with a clean, lint-free cotton rag wetted with denatured alcohol. Allow to dry. Sand the surface lightly and remove any sanding residue. Wipe the sanded surface with a new, clean, lint-free cotton rag wetted with denatured alcohol and allow to dry. Reapply 1-2 maintenance coats, as directed.

ACCELERATED APPLICATION: A maximum of 5 coats of Halcyon can be applied per day, if desired. Always wait a minimum of 12 hours for Halcyon to cure prior to sanding it.

HALCYON SATIN APPLICATION: IMPORTANT! It is strongly recommended to use Halcyon Clear Gloss or Amber Gloss for build coats, and only use Halcyon Satin as a final coat. This will ensure the best finish and depth.

APPLICATION DATA:

Application Method: Brush, Roll and Tip, or Spray
Number of Coats: 2-3 minimum
Film Thickness (per Coat): 4-6 mils wet
Thinner/Reducer: Water (up to 20%, but is usually not needed)
Cleanup: Mild soap and water

Wet Edge Working Time: 45-90 seconds @ 72°F

Coverage: 80-100 sq. ft./quart (3 mils wet)

Application Temperature/RH: 50°F to 90°F; 0-90% RH
Tack-Free Time to Recoat: 1 hour @ 72°F
Overcoat Without Sanding: Up to 12 hours

PHYSICAL DATA:

Vehicle Type: Water-based polyurethane

Components: One

Color/Finish: **Halcyon Amber Gloss** - Clear gold/amber, gloss finish
Halcyon Clear Gloss - Clear, with very slight amber undertones, gloss finish
Halcyon Clear Satin - Clear, with very slight amber undertones, low sheen finish

Gloss (DOI): 90% @ 60°, 77% @ 20° (Gloss @ 3mils WFT)
 11-14% @ 60°, 1-1.5% @ 20° (Satin @ 3 mils WFT)

Flash Point: Greater than 200°F

Solids (% by Weight): 24-28%

Solids (% by Volume): 23-27%

VOC Content: Less than 75 g/L

REVISION DATE: June 3, 2021

